data availability in §75.32, and to provide the quality-assured data used in the missing data procedures in §§75.31 and 75.33, such as the ''hour after'' value.

(d) The owner or operator shall comply with the applicable provisions of this paragraph during hours in which a unit with an SO_2 continuous emission monitoring system combusts only gaseous fuel.

(1) Whenever a unit with an SO_2 CEMS combusts only natural gas or pipeline natural gas (as defined in §72.2 of this chapter) and the owner or operator is using the procedures in section 7 of appendix F to this part to determine SO_2 mass emissions pursuant to §75.11(e)(1), the owner or operator shall, for purposes of reporting heat input data under §75.54(b)(5) or §75.57(b)(5), as applicable, and for the calculation of SO_2 mass emissions using Equation F–23 in section 7 of appendix F to this part, substitute for missing data from a flow monitoring system, CO_2 diluent monitor or O_2 diluent monitor using the missing data substitution procedures in §75.36.

(2) Whenever a unit with an SO_2 CEMS combusts gaseous fuel and the owner or operator uses the gas sampling and analysis and fuel flow procedures in appendix D to this part to determine SO_2 mass emissions pursuant to §75.11(e)(2), the owner or operator shall substitute for missing total sulfur content, gross calorific value, and fuel flowmeter data using the missing data procedures in appendix D to this part and shall also, for purposes of reporting heat input data under §75.54(b)(5) or §75.57(b)(5), as applicable, substitute for missing data from a flow monitoring system, CO_2 diluent monitor, or O_2 diluent monitor using the missing data substitution procedures in §75.36.

(3) The owner or operator of a unit with an SO_2 monitoring system shall not include hours when the unit combusts only gaseous fuel in the SO_2 data availability calculations in §75.32 or in the calculations of substitute SO_2 data using the procedures of either §75.31 or §75.33, for hours when SO_2 emissions are determined in accordance with §75.11(e)(1) or (e)(2). For the purpose of the missing data and availability procedures for SO_2 pollutant concentration monitors in §§75.31 and 75.33 only, all hours during which the unit combusts only gaseous fuel shall be excluded from the definition of ''monitor operating hour,'' ''quality assured monitor operating hour,'' ''unit operating hour,'' and ''unit operating day,'' when SO_2 emissions are determined in accordance with §75.11(e)(1) or (e)(2).

(4) During all hours in which a unit with an SO_2 continuous emission monitoring system combusts only gaseous fuel and the owner or operator uses the SO_2 monitoring system to determine SO_2 mass emissions pursuant to §75.11(e)(3), the owner or operator shall determine the percent monitor data availability for SO_2 in accordance with §75.32 and shall use the standard SO_2 missing data procedures of §75.33.

[60 FR 26528, 26566, May 17, 1995, as amended at 61 FR 59160, Nov. 20, 1996; 64 FR 28600, May 26, 1999]

§75.31 Initial missing data procedures.

(a) During the first 720 quality-assured monitor operating hours following initial certification (i.e., the date and time at which quality assured data begins to be recorded by the CEMS) of an SO_2 pollutant concentration monitor, or a CO_2 pollutant concentration monitor (or an O_2 monitor used to determine CO_2 concentration in accordance with appendix F to this part), or an O_2 or CO_2 diluent monitor used to calculate heat input or a moisture monitoring system, and during the first 2,160 quality-assured monitor operating hours following initial certification of a flow monitor, or a NO_X-diluent monitoring system, or a NO_X concentration monitoring system used to determine NO_X mass emissions, the owner or operator shall provide substitute data required under this subpart according to the procedures in paragraphs (b) and (c) of this section. The owner or operator of a unit shall use these procedures for no longer than three years (26,280 clock hours) following initial certification.

(b) *SO_2, CO_2, or O_2 concentration data and moisture data.* For each hour of missing SO_2 or CO_2 pollutant concentration data (including CO_2 data converted from O_2 data using the procedures in appendix F of this part), or

missing O_2 or CO_2 diluent concentration data used to calculate heat input, or missing moisture data, the owner or operator shall calculate the substitute data as follows:

(1) Whenever prior quality-assured data exist, the owner or operator shall substitute, by means of the data acquisition and handling system, for each hour of missing data, the average of the hourly SO_2, CO_2 or O_2 concentrations or moisture percentages recorded by a certified monitor for the unit operating hour immediately before and the unit operating hour immediately after the missing data period.

(2) Whenever no prior quality assured SO_2, CO_2 or O_2 concentration data or moisture data exist, the owner or operator shall substitute, as applicable, for each hour of missing data, the maximum potential SO_2 concentration or the maximum potential CO_2 concentration or the minimum potential O_2 concentration or (unless Equation 19–3, 19–4 or 19–8 in Method 19 in appendix A to part 60 of this chapter is used to determine NO_X emission rate) the minimum potential moisture percentage, as specified, respectively, in sections 2.1.1.1, 2.1.3.1, 2.1.3.2 and 2.1.5 of appendix A to this part. If Equation 19–3, 19–4 or 19–8 in Method 19 in appendix A to part 60 of this chapter is used to determine NO_X emission rate, substitute the maximum potential moisture percentage, as specified in section 2.1.6 of appendix A to this part.

(c) *Volumetric flow and NO_X emission rate or NO_X concentration data.* For each hour of missing volumetric flow rate data, NO_X emission rate data or NO_X concentration data used to determine NO_X mass emissions:

(1) Whenever prior quality-assured data exist in the load range corresponding to the operating load at the time the missing data period occurred, the owner or operator shall substitute, by means of the automated data acquisition and handling system, for each hour of missing data, the average hourly flow rate or NO_X emission rate or NO_X concentration recorded by a certified monitoring system. The average flow rate (or NO_X emission rate or NO_X concentration) shall be the arithmetic average of all data in the corresponding load range as determined using the procedure in appendix C to this part.

(2) Whenever no prior quality-assured flow or NO_X emission rate or NO_X concentration data exist for the corresponding load range, the owner or operator shall substitute, for each hour of missing data, the average hourly flow rate or the average hourly NO_X emission rate or NO_X concentration at the next higher level load range for which quality-assured data are available.

(3) Whenever no prior quality assured flow rate or NO_X emission rate or NO_X concentration data exist for the corresponding load range, or any higher load range, the owner or operator shall, as applicable, substitute, for each hour of missing data, the maximum potential flow rate as specified in section 2.1.4.1 of appendix A to this part or shall substitute the maximum potential NO_X emission rate or the maximum potential NO_X concentration, as specified in section 2.1.2.1 of appendix A to this part.

[64 FR 28601, May 26, 1999]

§ 75.32 Determination of monitor data availability for standard missing data procedures.

(a) Following initial certification (i.e., the date and time at which quality assured data begins to be recorded by the CEMS), upon completion of: the first 720 quality-assured monitor operating hours of an SO_2 pollutant concentration monitor, or a CO_2 pollutant concentration monitor (or O_2 monitor used to determine CO_2 concentration), or an O_2 or CO_2 diluent monitor used to calculate heat input or a moisture monitoring system; or the first 2,160 quality-assured monitor operating hours of a flow monitor or a NO_X-diluent monitoring system or a NO_X concentration monitoring system, the owner or operator shall calculate and record, by means of the automated data acquisition and handling system, the percent monitor data availability for the SO_2 pollutant concentration monitor, the CO_2 pollutant concentration monitor, the O_2 or CO_2 diluent monitor used to calculate heat input, the moisture monitoring system, the flow monitor, the NO_X-diluent monitoring system and the NO_X concentration monitoring system as follows: